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Patent Application
Attorney Docket No. PC27683
Pharmacia No. 01307.US1

I hereby certify that this correspondence is being deposited with the United States Postal Service as first-class mail in an envelope addressed to: Hon. Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450 on this 25th day of August 2004.

By Mary C. Bickel
(Signature of person mailing)
Mary C. Bickel
(Typed or printed name of person)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Thorarensen, et al. :

APPLICATION NO.: 10/645,799 : Examiner: Unknown

FILING DATE: August 20, 2003 : Group Art Unit: Unknown

TITLE: Antibacterial benzoic acid derivatives :

Hon. Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT
PURSUANT TO 37 C.F.R. § 1.97 ET SEQ.

Applicant(s) herein make(s) available to the U.S. Patent and Trademark Office a copy of PTO-FB-A820 which lists the references cited by the applicant(s), copies of which are enclosed.

The Examiner is requested to consider carefully the complete text of these references in connection with the examination of the above-identified application in accord with 37 C.F.R. § 1.104(a). It is believed the Examiner will concur with applicant's belief that the subject matter presently claimed is neither anticipated nor rendered obvious by the foregoing references.

It is requested that the references listed on the attached form PTO-FB-A820 be included in the "References Cited" portion of any patent issuing from this application (M.P.E.P. § 1302.12).

As this Information Disclosure Statement is being filed before the mailing of a first Office Action on the merits, Applicants believe that no fee is due pursuant to 37 C.F.R. § 1.97(b)(3). However, to the extent a fee is necessary, please apply any charges or credits to Deposit Account No. 16-1445.

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A prompt and favorable response is earnestly solicited.

Date: 08/25/04

Respectfully submitted,

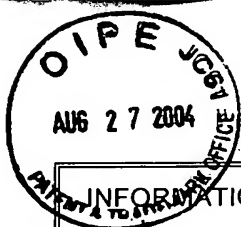
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| INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) | ATTY. DOCKET NO. PC27683; Pharmacia No. 01308.US1 | SERIAL NO. 10/645,799 |
| | APPLICANT Thorarensen, et al. | |
| | FILING DATE August 20, 2003 | GROUP Unknown |

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | | | | | | | DATE mm/dd/yy | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|---------------------|----|-----------------|---|---|---|---|---|---|------------------|------------------|-------|----------|-------------------------------|
| | US | 5 | 9 | 3 | 9 | 9 | 2 | 7 | 08/04/92 | Topfl, et al. | 514 | 212 | |
| | US | 5 | 4 | 6 | 9 | 1 | 2 | 2 | 10/31/95 | Elslager, et al. | 564 | 82 | |
| | US | 3 | 6 | 3 | 7 | 7 | 4 | 7 | 01/25/72 | Judd, et al. | 260 | 326.13 | |
| | US | 3 | 4 | 2 | 9 | 7 | 4 | 7 | 02/25/69 | Topliss, et al. | 260 | 239.3 | |
| | US | 4 | 5 | 9 | 9 | 1 | 9 | 8 | 05/20/86 | Sugiyama, et al. | 514 | 336 | |
| | US | 4 | 4 | 3 | 9 | 7 | 4 | 2 | 03/06/84 | Koizumi, et al. | 71 | 76 | |

FOREIGN PATENT DOCUMENTS

| DOCUMENT NUMBER | | | | | | | | | DATE mm/dd/yy | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
|-----------------|----|----|---|---|---|---|---|---|------------------|---------------|-------|----------|-------------|----|
| | | | | | | | | | | | | | YES | NO |
| | GB | 1 | 5 | 9 | 5 | 4 | 6 | 7 | 08/12/81 | Germany | C07D | 261/18 | | |
| | GB | 1 | 0 | 9 | 4 | 4 | 4 | 8 | 12/11/64 | Switzerland | C07D | 63/18 | | |
| | WO | 0 | 2 | 0 | 8 | 1 | 5 | 5 | 01/31/02 | International | C07D | 231/16 | | |
| | WO | 0 | 2 | 9 | 2 | 4 | 9 | 4 | 01/31/02 | International | C07D | 231/44 | | |
| | WO | 9 | 6 | 7 | 5 | 9 | 5 | 4 | 06/06/96 | International | C07D | 307/68 | | |
| | JP | 10 | 0 | 7 | 2 | 4 | 9 | 4 | 03/17/98 | Japanese | C07D | A01N | | |
| | JP | 5 | 3 | 7 | 2 | 4 | 2 | 5 | 06/28/78 | Japenses | A01N | 9/22 | | |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| | | | |
|--|--|--|--|
| | | | Kemp, et al., "The Physical Organic Chemistry of Benzisoxazoles. III, JACS, 1975, vol. 97, no. 25, pages 7305-7312 |
| | | | Eckroth, et al., "Mechanism of the Conversion of 2-Nitrobenzyl Systems into 2, 1-Benz-isoxazoles.", J.Chem. Soc (C) 1970, pages 2660-2661 |
| | | | Seki, et al., "Studies on Agents with Vasodilator and B-Blocking Activities. V. 11 Synthesis and Pharmacological Activity of the Optical Isomer of T2C-5665", Chem. Pharm. Bull. 1998, vol. 46, no. 1, pages 84-96 |
| | | | Notari, R.E., "Theory and Practice of Prodrug Kinetics", Methods in Enzymology, vol. 112, pages 309-323, (1985) |
| | | | Bodor, N., "Novel Approaches in Prodrug Design", Drugs of the Future, vol. 6, no. 3, pages 165-182, (1981) |
| | | | Bundgaard, H., "Design of Prodrugs: Bioreversible-Derivatives for Various functional Groups and chemical Entities", Design of Prodrugs (H. Bundgaard, ed.), Elsevier, N.Y. (1985) |
| | | | Clark-Lewis, et al., "The 4-Hydroxypipericolic Acid from Acacia species, and its Stereoisomers.", J.Chem. Soc. 1961, pages 189- |
| | | | Bastian, et al., "4H-Benzo[4,5]cyclohepta[1,2-b]thiophene", Helvetica Chimica Acta., vol. 49, no. 26, 1966, pages 214-234 (216) |



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| | | | Holla, B. Shivarama et al., "Studies in biheterocycles: part III. Nitration of 2-(2'-furyl)indole and 2-(2'-thienyl)indole", Indian J. Chem., vol. 16B, March 1978, Database accession no. 89:108924 XP002263673 | |
| | | | Hisano, Takuzo et al., "A convenient method for synthesis of 4(3H)-quinazolinones", Organic Preparations and Procedures Int., vol. 7, no. 6, pages 271-275, 1975; Database accession no. 84: 121768, XP002263674 | |
| | | | Abstract: XP002263675, order numbers: VIT019201, VIT010162, VIT008257, VIT007179, VIT005167, VITAS-M, Centre of molecular medicine, Room 208, Laboratory Building "B", Moscow, 1192829, Russia | |
| | | | Boger, et al. "Regiocontrolled Nucleophilic Addition To Selectively Activated P-Quinone Diimines: Alternative Preparation of a Key Intermediate Employed In The Preparation of the CC-1065 Left-Hand Subunit", Journal of Organic Chemistry, American Chemical Society. vol. 55, no. 4, 1990, pages 1379-1390, XP002044433 | |
| | | | Adams, et al., "Quinone imides. XLV. Structures of aromatic amine adducts of p-benzoquinonedibenzimide", Journal of Organic Chemistry, American Chemical Society. vol. 22, no.11, November 12, 1957, pages 1287-1291, XP002096174 | |
| | | | Ochiai, et al., "Synthese von Derivaten der Cinchona-Alkaloide", Pharm. Bull., vol. 2, 1954, pages 128-131, XP009026420 | |
| | | | Golomolzin, et al., "Covalent Hydration in the Tetrazolo'1,5-c!quinazoline series", Chem. Heterocycl. Compounds, vol. 7, 1971, pages 125-127, XP009026422 | |
| | | | Ohta, et al., "Reaction of N, O-Diacylarylhydroxylamine with Carbon Nucleophiles", Tetrahedron Letters, vol. 23, 1978, pages 1983-1986, XP002271614 | |
| | | | Kerdawy, et al., "Synthesis of Certain Benzoxazine and Quinazoline Derivatives as Potential Antiinflammatory Agents", Egypt. J. Pharm. Sci., vol. 35, no. 1-6, 1994, pages 1-20, XP009026636 | |
| | | | Yu, et al., "Studies in the Search for Alpha 5 Subtype Selective Agonists for GABAA/BZR Sites", Medicinal Chemistry Research, Birkhaesuer, Boston, US, vol. 9, no. 2, 1999, pages 71-88, XP009013228 | |
| | | | Zhang, et al., "Syntheses of 5-thienyl- and 5-furyl-substituted benzodiazepines: Probes of the pharmacophore for benzodiazepine receptor agoinist", European Journal of Medicinal Chemistry, vol. 30, no. 6, 1995, pages 483-496, XP002271615 | |
| | | | Fryer, et al., "Quinazolines and 1,4-Benzodiazepines. XVII", Journal of Pharmaceutical Sciences, vol. 53, no. 3, 1964, pages 264-268, XP009026633 | |
| | | | Jaunin, et al., "302. Quinazolines et benzodiazepines-1,4. LVI", Helv. Chim. Acta, vol. 55, no. 8, 1972, pages 2975-2990; XP009026634 | |
| | | | Aki-Sener, et al., "Synthesis and microbiological activity of some N-(2-hydroxy-4-substitutedphenyl) benzamides, phenylacetimides and furmaindes as the possible metabolites of antimicrobial active benzoxazoles", Farmaco (Societa Chimica Italiana: 1989) June 2002, vol. 57, no. 6, June 2002, pages 451-456, XP002271616 | |
| | | | Shimizu, et al., "A New Synthetic Method of Alkyl Carbononcyanidate N-Oxides", Bull. Chem. Soc., 58, 1985, pages 2519-2522 | |
| | | | Gilbert, et al., "Anthranilate 4H-oxazol-5-ones: novel small molecule antibacterial acyl carrier protein synthase (AcpS) inhibitors", Bioorganic & Medicinal Chemistry Letters, 14, 2004, pages 37-41 | |
| | | | Bone, et al., "Synthesis and Physical Evaluation of Novel Ferroelectric Material with High Spontaneous Polarization", Mol. Cryst. Liq. Cryst., 1988, vol. 164, pages 117-134 | |
| | | | Behaghel, Ratz, "Über die alkalische Hydro-lyse von Keto-sulfid-carbonsauren und ihre Abhangigkeit vom Bau des Molekuls (Über die Spaltung von Keto-sulfid-carbonsauren, III. Mitteil.)", Aus d! Cheml Institut d. Universitat GieBen, 20 Mai 1939, pages 1257-1281 | |
| EXAMINER | | | DATE CONSIDERED | |